

2-6 Miscellaneous Structures

In addition to bridge structures, OSFP has oversight responsibilities for miscellaneous transportation-related structures within the State right-of-way that are designed by others. These miscellaneous structures include, but are not limited to, the following structure types:

- Earth Retaining Systems (Retaining Walls)
- Soundwalls
- Bridge mounted signs
- Barrier Mounted Signs on Structures
- Overhead Sign Structures
- Culverts and Drainage Structures
- Pumping Plants
- Vehicular, LRT, and other tunnels types
- Movable Bridges
- Buildings (toll plazas, maintenance stations, etc.)

Oversight Responsibility

Design responsibilities for miscellaneous structures are delineated in the *Highway Design Manual*. For some miscellaneous structures, the design responsibility is assigned to the District and for others to DES. When the responsibility for a particular miscellaneous structure is assigned to DES, OSFP has the corresponding oversight responsibility.

For certain miscellaneous structures (e.g. retaining walls, soundwalls, culverts) where Caltrans Standard Plans or Bridge Standard “XS” Detail Sheets are available and appropriate for use at the planned site, the District will normally have the oversight responsibility.

For miscellaneous structures where the Standard Plans or Bridge Standard “XS” Detail Sheets are not available or are available but not totally applicable are considered “special designs” and OSFP will have the oversight responsibility.

Districts, Sponsoring Agencies, and consultants are encouraged to coordinate with OSFP early in the project to identify special designs, to determine where the oversight responsibility will reside, and to avoid any duplication of project development and review effort.



PS&E Development and Submittals

Miscellaneous structures shall be designed in accordance to the *Highway Design Manual*, *Bridge Design Specifications*, *Bridge Memo to Designers*, *Bridge Design Aids* and other applicable Caltrans policies and procedures.

Refer to Memo to Designer 1-29 for the Type Selection review meeting required of the miscellaneous structures.

Project development procedural requirements are generally the same as for bridge structures and shall meet the requirements in this Guide. Variation from these requirements (such as submittal requirements, review duration, etc.) are on a case-by-case basis and will be determined by the OSFP Liaison Engineer.

Pumping plants, vehicular tunnels, movable bridges, and mass transit or other types of building facilities are always considered on a case by case basis because these types of miscellaneous structures will require project specific design criteria, submittal requirements, and review timeframes.

The consultant or Sponsoring Agency should contact the Liaison Engineer in the early stages of the project to discuss miscellaneous structures so that the necessary requirements can be determined and considered in the project schedule.